HRSF7500 series Ultrasonic Flowmeter / Cold/heat Meter / Water Meter

Overview

HRSF7500 series ultrasonic flowmeter/cold heat meter/water meter has a variety of signal input and output functions. The product makes full use of the software and hardware design of the flowmeter features, with less investment, simple and clear system, long-term use measurement accuracy does not change, stable operation Reliable, powerful and so on, its structure can be divided into one-piece and combined.

Features：

Fixed ultrasonic flowmeter technical features

1. measurement accuracy: 1%
2. working power: isolated DC8-36V or AC85~264V
3. power consumption: working current 50mA (not connected to the keyboard and the buzzer does not ring)
4. optional output: 1 channel standard isolation RS485 output 1 channel isolation 4-20mA or 0-20mA output (active, passive optional) optional HART protocol, dual isolation OCT output (OCT1 pulse width 6~1000ms Programmable, default 200ms); 1 bidirectional

serial peripheral universal interface, can directly connect multiple analog output boards such as 4-20 mA, frequency signal output board, thermal printer, data recorder, etc. through serial connection external device.

5.optional input: three 4-20mA analog input loop

6.display: 2 × 10 Chinese characters backlit display (Chinese and English bilingual optional)

7.operation: 16 button or 4 button window operation

8.other functions: automatic memory before 512 days, the first 128 months, the first 10 years of positive and negative net cumulative flow

Automatically memorize the first 30 times of power-on, power-off time and flow rate and can be added automatically or manually, and can be read out by MODBUS protocol.

9.flow sensor: external binding, plug-in, pipe-section

Portable ultrasonic flowmeter technical features:

It is suitable for online calibration and inspection of liquid flow in various industrial sites. It has the characteristics of simple operation, high measurement accuracy, good consistency, online printing, and long battery life.

1. measurement accuracy: better than 1%

2. repeatability: better than 0.2%

3. working power: 220VAC (standard), 110VAC (optional)

4. measurement cycle: 500ms (2 times per second, collecting 128 sets of data per cycle)

5. battery: built-in nickel-metal hydride rechargeable battery can work continuously for 24 hours

6. installation method: external installation

7. Display: 2×10 Chinese character backlit display (instantaneous flow, cumulative flow, signal status, etc.)

8. signal output: isolated RS485

9. Communication protocol: MODBUS protocol, Haifeng FUJI expansion protocol, and compatible with other domestic manufacturers.

10. printout: built-in thermal integrated printer for real-time or

timed printing

11. other functions: self-diagnosis, indicating whether the current working state is normal

12. optional sensor: external clip type, plug and pull interface.

Ultrasonic water meter technical features:

1, measurement accuracy: level 2

2, working power: 3.6V / 19AH lithium battery power supply or current loop power supply (two-wire system).

3. Measurement period: 500ms-49 seconds (factory default 10 seconds).

4, sampling times: the number of sampling times per measurement cycle 32 groups -128 groups optional (factory default 64 groups).

5, battery power consumption: the factory default state of lithium battery can work for 5 years.

6, optional output: 1 way USART (TTL) output. 1 RS485 output (internal battery or external DC power supply optional). Dual isolated OCT output (OCT1 pulse width programmable between 6-1000ms, default 200ms). One-way bidirectional serial peripheral universal interface, which can directly connect multiple external devices such as 4-20 mA analog output board, frequency signal output board, thermal printer, data logger, etc. in series

7. Display: The local 96-segment LCD display can display 44 different window contents.

8. Operation: Local magnetic double button can browse the contents of the first 44 windows, but can not set parameters, set the parameters to pass RS485, use the secondary instrument or PC to set the reference software.

9, other functions: automatic memory before 512 days, the first

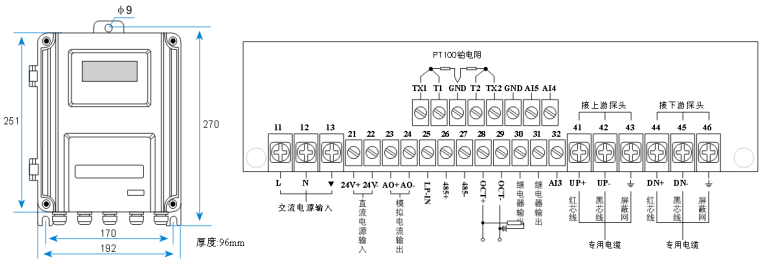
128 months, the first 10 years of positive and negative net accumulated heat automatically remember the first 30 times, power off time and flow and can be automatically or manually added, and can pass the MODBUS protocol read out.

10. Protection level: IP68.

11. Flow sensor: externally bound, plugged, and piped.

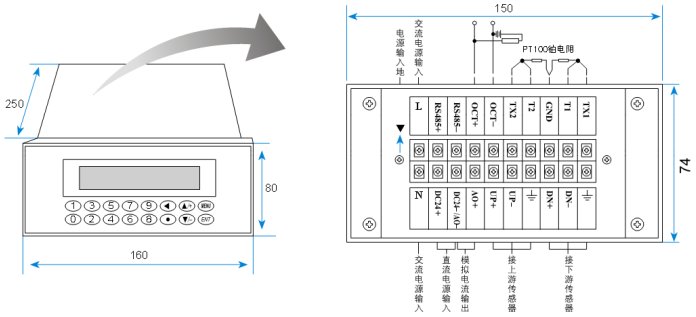
Dimensions and wiring diagram

1. Wall-mounted mainframe dimensions and wiring diagram

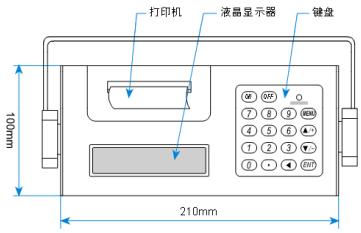


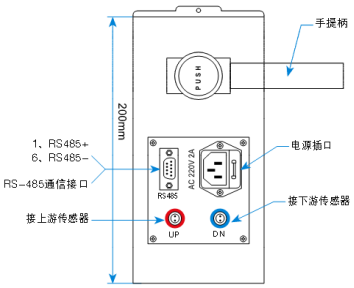
2. Panel mounted mainframe dimensions and wiring diagram

Different user requirements may have different wiring identifiers, whichever is the case.



3. Portable mainframe dimensions and wiring diagram


打印机
液晶显示器
键盘
100mm
210mm


手提柄
200mm
1、RS485+
6、RS485-
RS-485通信接口
电源插口
接下游传感器
接上游传感器
RS485
AC 220V 2A
UP
DN